

ABSTRACT OF THE DISCLOSURE

A deflector associated with the internal surface of a cylindrical screen in a conventional centrifugal pellet dryer. In a preferred form, the deflector is one or more vertical deflector strips mounted in circumferentially spaced relation on the interior surface of the dryer cylindrical screen by bolting to mating mounting strips on the outside of the screen. The deflector strips disrupt the circular flow of the particles along the interior surface of the screen. The edge of the deflector strip facing the direction of rotational movement of the rotor and circulating particles is preferably inclined to deflect the particles back toward the rotor. In another form, the elongated deflector strip has generally an angle iron shape with one flange clamped between the outwardly extending vertical side edge flanges which are bolted together to form the cylindrical screen and the other flange extending at an oblique angle into the clearance band to deflect the circulating particles back toward the rotor. The elongated deflector strip results in more efficient operation of the rotor and increasing production rates while decreasing power requirements for operation of the dryer.